

Amendments to the Claims:

Claims 1-13 (Cancelled).

14. (New) An electrostatic painting device comprising:
a painting device body;
a high-voltage booster circuit in said painting device body, said high-voltage booster circuit being operable to receive a high-frequency low voltage and to rectify the high-frequency low voltage and generate a DC high voltage for electrostatic painting;
a high-frequency low-voltage generator independent of said painting device body, said high-frequency low-voltage generator being operable to generate the high-frequency low voltage;
a low-voltage cable connecting said high-frequency low-voltage generator to said high-voltage booster circuit;
a current sensor for detecting a current value of an intrinsic consumed current at said high-voltage booster circuit; and
a frequency control device for adjusting a frequency of the high-frequency low voltage such that the current value detected by said current sensor does not exceed a prescribed value.

15. (New) The electrostatic painting device of claim 14, wherein said frequency control device is operable to adjust the frequency of the high-frequency low voltage so that the current value detected by said current sensor is a smallest possible current value.

16. (New) The electrostatic painting device of claim 15, wherein said current sensor is arranged in said high-frequency low-voltage generator to detect the current value of a current supplied to said low-voltage cable by said high-frequency low-voltage generator.

17. (New) The electrostatic painting device of claim 15, wherein said frequency control device is operable to adjust the frequency of the high-frequency low voltage when a power switch of said high-frequency low-voltage generator is closed.

18. (New) The electrostatic painting device of claim 15, wherein said frequency control device is operable to adjust the frequency of the high-frequency low voltage at pre-set time intervals.

19. (New) The electrostatic painting device of claim 15, further comprising an abnormality indication device for indicating an abnormal state when the current value detected by said current sensor exceeds a predetermined current value, said frequency control device being operable to adjust the frequency of the high-frequency low voltage when the abnormal state is indicated by said abnormality indication device.

20. (New) The electrostatic painting device of claim 14, wherein said current sensor is arranged in said high-frequency low-voltage generator to detect the current value of a current supplied to said low-voltage cable by said high-frequency low-voltage generator.

21. (New) The electrostatic painting device of claim 20, further comprising an abnormality indication device for indicating an abnormal state when the current value detected by said current sensor exceeds a predetermined current value, said frequency control device being operable to adjust the frequency of the high-frequency low voltage when the abnormal state is indicated by said abnormality indication device.

22. (New) The electrostatic painting device of claim 14, wherein said frequency control device is operable to adjust the frequency of the high-frequency low voltage when a power switch of said high-frequency low-voltage generator is closed.

23. (New) The electrostatic painting device of claim 22, further comprising an abnormality indication device for indicating an abnormal state when the current value detected by said current sensor exceeds a predetermined current value, said frequency control device being

operable to adjust the frequency of the high-frequency low voltage when the abnormal state is indicated by said abnormality indication device.

24. (New) The electrostatic painting device of claim 14, wherein said frequency control device is operable to adjust the frequency of the high-frequency low voltage at pre-set time intervals.

25. (New) The electrostatic painting device of claim 24, further comprising an abnormality indication device for indicating an abnormal state when the current value detected by said current sensor exceeds a predetermined current value, said frequency control device being operable to adjust the frequency of the high-frequency low voltage when the abnormal state is indicated by said abnormality indication device.

26. (New) The electrostatic painting device of claim 14, further comprising an abnormality indication device for indicating an abnormal state when the current value detected by said current sensor exceeds a predetermined current value, said frequency control device being operable to adjust the frequency of the high-frequency low voltage when the abnormal state is indicated by said abnormality indication device.

27. (New) The electrostatic painting device of claim 14, wherein said high-voltage booster circuit includes a primary winding and a secondary winding, said low-voltage cable connecting said high-frequency low-voltage generator to said primary winding of said high-voltage booster so that the intrinsic consumed current flows through said primary winding of said high-voltage booster circuit via said low-voltage cable.